

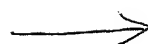
EXHIBIT 1

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Periodic Table of Elements Sorted by Electrical Conductivity

	Name	Syn
5.0E ⁻²⁴ 10 ⁶ /cm Ω	Sulfur	S
1.0E ⁻¹⁷ 10 ⁶ /cm Ω	Phosphorus	P
8.0E ⁻¹⁶ 10 ⁶ /cm Ω	Iodine	I
1.0E ⁻¹² 10 ⁶ /cm Ω	Boron	B
1.0E ⁻¹² 10 ⁶ /cm Ω	Selenium	Se
2.52E ⁻¹² 10 ⁶ /cm Ω	Silicon	Si
1.45E ⁻⁸ 10 ⁶ /cm Ω	Germanium	Ge
2.0E ⁻⁶ 10 ⁶ /cm Ω	Tellurium	Te
0.00061 10 ⁶ /cm Ω	Carbon	C
0.00666 10 ⁶ /cm Ω	Plutonium	Pu
0.00695 10 ⁶ /cm Ω	Manganese	Mn
0.00736 10 ⁶ /cm Ω	Gadolinium	Gd
0.00822 10 ⁶ /cm Ω	Neptunium	Np
0.00867 10 ⁶ /cm Ω	Bismuth	Bi
0.00889 10 ⁶ /cm Ω	Terbium	Tb
0.00956 10 ⁶ /cm Ω	Samarium	Sm
0.0104 10 ⁶ /cm Ω	Mercury	Hg
0.0108 10 ⁶ /cm Ω	Dysprosium	Dy
0.0112 10 ⁶ /cm Ω	Europium	Eu
0.0115 10 ⁶ /cm Ω	Cerium	Ce
0.0117 10 ⁶ /cm Ω	Erbium	Er
0.0124 10 ⁶ /cm Ω	Holmium	Ho
0.0126 10 ⁶ /cm Ω	Lanthanum	La
0.0148 10 ⁶ /cm Ω	Praseodymium	Pr
0.015 10 ⁶ /cm Ω	Thulium	Tm
0.0157 10 ⁶ /cm Ω	Neodymium	Nd
0.0166 10 ⁶ /cm Ω	Yttrium	Y
0.0177 10 ⁶ /cm Ω	Scandium	Sc
0.0185 10 ⁶ /cm Ω	Lutetium	Lu
0.0219 10 ⁶ /cm Ω	Polonium	Po
0.022 10 ⁶ /cm Ω	Americium	Am
0.0234 10 ⁶ /cm Ω	Titanium	Ti
0.0236 10 ⁶ /cm Ω	Zirconium	Zr
0.0288 10 ⁶ /cm Ω	Antimony	Sb
0.03 10 ⁶ /cm Ω	Francium	Fr
0.03 10 ⁶ /cm Ω	Barium	Ba
0.0312 10 ⁶ /cm Ω	Hafnium	Hf
0.0345 10 ⁶ /cm Ω	Arsenic	As
0.0351 10 ⁶ /cm Ω	Ytterbium	Yb
0.038 10 ⁶ /cm Ω	Uranium	U
0.0481 10 ⁶ /cm Ω	Lead	Pb
0.0489 10 ⁶ /cm Ω	Cesium	Cs
0.0489 10 ⁶ /cm Ω	Vanadium	V
0.0529 10 ⁶ /cm Ω	Protactinium	Pa
0.0542 10 ⁶ /cm Ω	Rhenium	Re
0.0617 10 ⁶ /cm Ω	Thallium	Tl
0.0653 10 ⁶ /cm Ω	Thorium	Th
0.067 10 ⁶ /cm Ω	Technetium	Tc
0.0678 10 ⁶ /cm Ω	Gallium	Ga
0.0693 10 ⁶ /cm Ω	Niobium	Nb
0.0761 10 ⁶ /cm Ω	Tantalum	Ta

0.0762 $10^6/\text{cm } \Omega$	Strontium	Sr
0.0774 $10^6/\text{cm } \Omega$	Chromium	Cr
0.0779 $10^6/\text{cm } \Omega$	Rubidium	Rb
0.0917 $10^6/\text{cm } \Omega$	Tin	Sn
0.095 $10^6/\text{cm } \Omega$	Palladium	Pd
0.0966 $10^6/\text{cm } \Omega$	Platinum	Pt
0.0993 $10^6/\text{cm } \Omega$	Iron	Fe
0.108 $10^6/\text{cm } \Omega$	Lithium	Li
0.109 $10^6/\text{cm } \Omega$	Osmium	Os
0.116 $10^6/\text{cm } \Omega$	Indium	In
0.137 $10^6/\text{cm } \Omega$	Ruthenium	Ru
0.138 $10^6/\text{cm } \Omega$	Cadmium	Cd
0.139 $10^6/\text{cm } \Omega$	Potassium	K
0.143 $10^6/\text{cm } \Omega$	Nickel	Ni
0.166 $10^6/\text{cm } \Omega$	Zinc	Zn
0.172 $10^6/\text{cm } \Omega$	Cobalt	Co
0.187 $10^6/\text{cm } \Omega$	Molybdenum	Mo
0.189 $10^6/\text{cm } \Omega$	Tungsten	W
0.197 $10^6/\text{cm } \Omega$	Iridium	Ir
0.21 $10^6/\text{cm } \Omega$	Sodium	Na
0.211 $10^6/\text{cm } \Omega$	Rhodium	Rh
0.226 $10^6/\text{cm } \Omega$	Magnesium	Mg
0.298 $10^6/\text{cm } \Omega$	Calcium	Ca
0.313 $10^6/\text{cm } \Omega$	Beryllium	Be
0.377 $10^6/\text{cm } \Omega$	Aluminum	Al
0.452 $10^6/\text{cm } \Omega$	Gold	Au
 0.596 $10^6/\text{cm } \Omega$	Copper	Cu
0.63 $10^6/\text{cm } \Omega$	Silver	Ag

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